

Amendments to the claims:

CLAIMS

1. (Currently Amended) A vehicle integrated control system comprising:
a plurality of control units (~~PT, ECB, STR~~) controlling a running state of a vehicle based on a manipulation request; and
a processing unit generating information to be used at said control unit (~~PT, ECB, STR~~) and providing the generated information to each said control unit (~~PT, ECB, STR~~);
wherein
said processing unit includes
a determination unit for determining driver's intention to avoid torque fluctuation involved with at least one of sudden deceleration/acceleration and speed change, and
a calculation unit for calculating information related to a control target to manipulate an actuator set in correspondence with each said control unit (~~PT, ECB, STR~~), said control target being in accordance with an expected value of a driver based on determined said driver's intention, based on environmental information around said vehicle and said manipulation request, and calculating information for allotting a driving force and a braking force in said control unit (~~PT, ECB, STR~~), based on information related to said calculated control target.
2. (Original) The vehicle integrated control system according to claim 1, wherein said calculation unit calculates said information with priority being placed on a time for attaining said control target.
3. (Original) The vehicle integrated control system according to claim 1, wherein said calculation unit calculates said information with priority being placed on drivability.
4. (Original) The vehicle integrated control system according to claim 1, wherein said calculation unit calculates said information with priority being placed on energy efficiency of said vehicle.

5. (Original) The vehicle integrated control system according to claim 1, wherein said environmental information represents information on surroundings of the vehicle at present.

6. (Original) The vehicle integrated control system according to claim 1, wherein said environmental information represents information on surroundings of the vehicle in future.

7. (Original) The vehicle integrated control system according to claim 1, wherein said environmental information represents information on an acceleration/deceleration state of said vehicle.

8. (Original) The vehicle integrated control system according to claim 1, wherein said environmental information represents information sensed by a navigation device.

9. (Original) The vehicle integrated control system according to claim 1, wherein said environmental information represents information sensed by a radar device.

10. (Currently Amended) The vehicle integrated control system according to ~~any one of claims 1 to 8~~ claim 1, wherein
said manipulation request is obtained by sensing an operated amount as to an accelerator manipulation and a brake manipulation by a driver.

11. (Currently Amended) The vehicle integrated control system according to ~~any one of claims 1 to 8~~ claim 1, wherein
said manipulation request is obtained by sensing an operated amount as to an accelerator manipulation, a brake manipulation, and a transmission manipulation by a driver.

12. (Currently Amended) A vehicle integrated control system comprising:
a plurality of control units (~~PT, ECB, STR~~) controlling a running state of a vehicle based on a manipulation request; and

a processing unit generating information to be used at said control unit (~~PT, ECB, STR~~) and providing the generated information to each said control unit (~~PT, ECB, STR~~); wherein

said processing unit includes

means for determining driver's intention to avoid torque fluctuation involved with at least one of sudden deceleration/acceleration and speed change, and

calculation means for calculating information related to a control target to manipulate an actuator set in correspondence with each said control unit (~~PT, ECB, STR~~), said control target being in accordance with an expected value of a driver based on determined said driver's intention, based on environmental information around said vehicle and said manipulation request, and calculating information for allotting a driving force and a braking force in said control unit (~~PT, ECB, STR~~), based on information related to said calculated control target.

13. (Original6) The vehicle integrated control system according to claim 12, wherein said calculation means includes means for calculating said information with priority being placed on a time for attaining said control target.

14. (Original) The vehicle integrated control system according to claim 12, wherein said calculation means includes means for calculating said information with priority being placed on drivability.

15. (Original) The vehicle integrated control system according to claim 12, wherein said calculation means includes means for calculating said information with priority being placed on energy efficiency of said vehicle.

16. (Original1) The vehicle integrated control system according to claim 12, wherein said environmental information represents information on surroundings of the vehicle at present.

17. (Original) The vehicle integrated control system according to claim 12, wherein said environmental information represents information on surroundings of the vehicle in future.

18. (Original) The vehicle integrated control system according to claim 12, wherein said environmental information represents information on an acceleration/deceleration state of said vehicle.

19. (Original) The vehicle integrated control system according to claim 12, wherein said environmental information represents information sensed by a navigation device.

20. (Original) The vehicle integrated control system according to claim 12, wherein said environmental information represents information sensed by a radar device.

21. (Currently Amended) The vehicle integrated control system according to ~~any one of claims 12 to 19~~ claim 12, wherein
said manipulation request is obtained by sensing an operated amount as to an accelerator manipulation and a brake manipulation by a driver.

22. (Currently Amended) The vehicle integrated control system according to ~~any one of claims 12 to 19~~ claim 12, wherein
said manipulation request is obtained by sensing an operated amount as to an accelerator manipulation, a brake manipulation, and a transmission manipulation by a driver.